

GIS I&D Program Past Grant Awards

Grant #	Fiscal Year	Title of Grant	Grant Recipient	Location	Short Description	Amount Awarded	Status	Web Sites (with more info or that were created from the grant awarded)
1	1997	<i>A Recreational Boater--Based Method for Re-designing the NOS Small-Craft Chart: Promoting Safe Navigation and Stewardship of Coastal Resources</i>	University of Florida, Florida Sea Grant Program	Florida	NOAA entered into this partnership project with the Florida Sea Grant Program due to increasing concerns about environmental impacts caused by recreational boating. This project determined chart information needs of boaters and promoted NOAA's safe navigation and stewardship missions.	\$ 150,000	Completed	http://www.flseagrant.org/faculty-students/quarterly%20reports/DecJanFeb01/djfsmppage.htm http://flseagrant.org/science/anchorage/
2	1998	<i>North Carolina -- NOAA Coastal Services Center Coastal Hazard Mitigation Cooperative Agreement</i>	North Carolina Division of Coastal Management	North Carolina	This cooperative agreement investigated the potential for damage to existing structures along the North Carolina barrier island coastline from the South Carolina border to the New River inlet due to chronic erosion and category 1, 2, and 3 hurricanes. The project promoted the national Natural Hazards Reduction Initiative program by developing local decision support tools for use in analyzing hazards risk and vulnerability.	\$ 99,376	Completed	N/A
3	1999	<i>Digital Orthophotos for Lake Erie Shoreline</i>	Ohio Department of Natural Resources	Ohio	This project was designed to promote the national Natural Hazards Reduction Initiative program through the development of local decision support tools for use in analyzing coastal hazard risk and vulnerability. The Ohio DNR entered this collaborative agreement with NOAA's Coastal Services Center to develop digital orthophotos for Ohio's portion of the Lake Erie shoreline.	\$ 75,000	Completed	N/A
4	1999	<i>Development and Evaluation of a Monitoring and Emergency Response/Crisis Management System for Oil Spills and Hurricanes</i>	Florida Marine Research Institute	Florida	Disasters such as oil spills and hurricanes often have significant impacts on biological and human resources in the coastal zone. Funded by the NOAA High Performance Computing and Communications (HPCC) program, this project addressed NOAA and other agencies' needs to rapidly gather, integrate, and disseminate information about impacted areas.	\$ 79,625	Completed	http://www.cio.noaa.gov/hpcc/projects/980002.html
5	1999	<i>Hawaiian Shoreline Variability this Century: A Demonstration of Data Capacity Building</i>	University of Hawaii at Manoa	Hawaii	The study entitled "Hawaiian Shoreline Variability This Century," addressed Hawaii's lack of a comprehensive coastal erosion database and resultant difficulties making sound coastal land use decisions. The primary objective of the project was to demonstrate how to build a broader coastal dynamics knowledge-base within Hawaii's coastal regulatory community so that permitting and planning agencies could make informed, factually-based land use decisions.	\$ 200,000	Completed	http://www.soest.hawaii.edu/coasts/cgg_main.html
6	2000	<i>Test Reducing Earthquake-Tsunami Hazards in Pacific Northwest Ports and Harbors</i>	Oregon State University	U.S. Pacific Northwest	This project supported earthquake-tsunami hazard mitigation and preparedness planning for ports and harbors in the Pacific Northwest region led by researchers at Oregon State University and the University of Washington. The overall goal was to increase the resilience of west coast ports, harbors, and their surrounding communities to earthquake and local and distant tsunami hazards.	\$ 100,000	Completed	http://www.csc.noaa.gov/products/tsunamis/

Grant #	Fiscal Year	Title of Grant	Grant Recipient	Location	Short Description	Amount Awarded	Status	Web Sites (with more info or that were created from the grant awarded)
7	2000	<i>Bathymetric Data for Coastal Resource Management in Southwest Florida Waterways: A Proposal to Enhance and Standardize Field Collection Methods</i>	West Coast Inland Navigation District	Florida	NOAA's Coastal Services Center partnered with the West Coast Inland Navigation District to enhance and standardize field collection methods for bathymetric data for the coastal resource management community in southwest Florida waterways. This project resulted in a publication, a Web site, and a CD-ROM that contains geographic data sets as ARC/INFO export files, as ArcView shapefiles, and in comma delimited ASCII format.	\$ 58,770	Completed	http://edis.ifas.ufl.edu/SG064
8	2001	<i>Comprehensive Bathymetric Mapping for Lake Worth Lagoon</i>	Palm Beach County Department of Environmental Resources Management	Florida	Florida's Palm Beach County Department of Environmental Resources Management conducted a comprehensive bathymetric mapping project for Lake Worth Lagoon. The mapping project consolidated existing bathymetric data with new field measurements. Data derived from this cooperative grant agreement project will be instrumental in directing future restoration and enhancement projects for this urban water body. Deliverables for this project included a comprehensive bathymetric map of Lake Worth Lagoon and associated documentation. Florida's Palm Beach County, Department of Environmental Resources Management have posted these data and information on its Web site. Contour maps are posted in several sections due to the large size of the data files, however, they will work to post and maintain an interactive GIS database for all Lake Worth Lagoon information (e.g., seagrass coverage, bathymetry, mangrove and shoreline characteristics, etc.).	\$ 57,623	Completed	http://www.co.palm-beach.fl.us/erm/divisions/enhancement/habitat/lake_worth_lagoon/lwl.htm
9	2002	<i>Hydrographic Data Acquisition for the Design and Management of Two Proposed California State Marine Protected Areas</i>	The Foundation of California State University, Monterey Bay	California	The Seafloor Mapping Lab at California State University, Monterey, and the NOAA Coastal Services Center have entered into a cooperative agreement to develop high-resolution, digital seafloor bathymetry data suitable for classification and delineation of benthic habitats and to help the navigation of Remotely Operated Vehicle (ROV) sampling platforms at a series of reference sites along the California coast. The outcomes of this agreement include the development and launch of a Web site populated with marine mapping products and bathymetric data and the delivery of geographic information system (GIS) themes to the California Department of Fish and Game and to other public groups.	\$ 79,352	Ongoing	N/A

Grant #	Fiscal Year	Title of Grant	Grant Recipient	Location	Short Description	Amount Awarded	Status	Web Sites (with more info or that were created from the grant awarded)
10	2002	<i>Integrated Spatial Data Model Tools Set for the Auto-Classification and Delineation of Species-Specific Habitat Maps from High-Resolution, Digital Hydrographic Data</i>	The Foundation of California State University, Monterey Bay	California	The Seafloor Mapping Lab at California State University, Monterey, and the NOAA Coastal Services Center have entered into cooperative agreements to develop and field-test a suite of spatial data modeling, image processing and geographic information system (GIS) tools that can use a linked species/habitat preference database to query hydrographic digital elevation models, sidescan sonar imagery, and oceanographic data for the purpose of predicting the distribution and abundance of a given species under present and anticipated conditions, such as El Nino or climate change. The Center is also working with the lab to integrate the suite of GIS and spatial data model tools into a linked protocol for habitat and species mapping.	\$ 79,769	Ongoing	N/A
11	2002	<i>Spatially Integrated Coastal Permitting System</i>	New Jersey Meadowlands Commission	New Jersey	The New Jersey Meadowlands Commission and the NOAA Coastal Services Center have entered into a cooperative agreement to develop a permit processing system that can provide an effective single electronic interface for government agencies to deliver smoother and customized services to citizens. This Web-based system will provide a "road map" that determines the exact steps required that are tailored for a particular location and development type based on the regulatory requirements of each government agency.	\$ 70,800	Ongoing	N/A
12	2002	<i>Coastal Structures Inventory of Cape Cod</i>	(Massachusetts) Executive Office of Environmental Affairs	Massachusetts	The Massachusetts Executive Office of Environmental Affairs and the NOAA Coastal Services Center have entered into a cooperative agreement to develop a georeferenced, pre-storm inventory of structures on the coast to improve the state and local governments' ability to make rapid and accurate storm-related permitting decisions. The project is being modeled after the South Carolina Office of Ocean and Coastal Resource Management "Post-Hurricane Recovery Project" and will provide a comprehensive storm planning and response system.	\$ 80,550	Ongoing	N/A
13	2002	<i>Bathymetric Mapping, Habitat Characterization, and Geohazards Assessment of the San Juan Archipelago: a U.S. - Canadian Cooperative Venture</i>	Moss Marine Laboratory, San Jose State University Foundation	California	The San Jose State University Foundation and the NOAA Coastal Services Center have entered into a cooperative agreement to study and carry out the best ways to obtain state-of-the-art, high-resolution multibeam bathymetric and backscatter data, side-scan sonographs, and seismic-reflection profiles that can be used to improve navigation charts, characterize Essential Fish Habitat (EFH), and map faults and potential landslides that may be a geohazard on both sides of the Canadian-American International Boundary and within the western San Juan Archipelago. These data are being used to produce maps and spatial databases that can support NOAA navigational charting efforts, characterizations of marine habitats, and delineations of submarine geology and geohazards.	\$ 99,850	Ongoing	N/A

Grant #	Fiscal Year	Title of Grant	Grant Recipient	Location	Short Description	Amount Awarded	Status	Web Sites (with more info or that were created from the grant awarded)
14	2002	<i>Nearshore Rocky Reef Habitat Survey using Multibeam Sonar – Marine Resource Program</i>	Oregon Department of Fish and Wildlife	Oregon	The Oregon Department of Fish and Wildlife and the NOAA Coastal Services Center have entered into a cooperative agreement to map a shallow water rocky reef area off of Oregon using multibeam sonar for the purpose of defining important fish habitat; and the department is collaborating with the NOAA Coastal Services Center on ways to best study and develop high quality hydrographic data that will support NOAA Ocean Service nautical chart data collection programs. Remotely Operated Vehicle (ROV) video footage, shaded relief bathymetry maps, maps depicting relevant topographic models, and written descriptions of the habitat are being produced.	\$ 49,941	Ongoing	N/A
15	2003	<i>Bathymetric Survey of Maryland's Portion of Chincoteague Bay</i>	Maryland Department of Natural Resources	Maryland	The Maryland Department of Natural Resources and the NOAA Coastal Services Center have entered a cooperative agreement to produce the first set of detailed bathymetric data for Chincoteague Bay essential for state and local agencies' navigation and resource management. The NOAA Coastal Services Center is working with the investigators to ensure that survey and field descriptive reports and mapping products are produced according to International Hydrographic Standards and NOAA hydrographic survey standards.	\$ 88,111	Ongoing	N/A
16	2003	<i>Oregon Coastal Atlas and Climate Module</i>	Ocean and Coastal Management Program, Oregon Department of Land and Conservation Development	Oregon	The Oregon Department of Land and Conservation Development and the NOAA Coastal Services Center have entered a cooperative agreement to create a special climate and coastal hazards module within the Oregon Coastal Atlas. The project is assimilating historic and real-time oceanographic and climate data from a variety of sources into an interactive mapping and information module with both observational and predictive capacity to project the impact of coastal storms on the coastal environment. NOAA is providing guidance to help ensure that the tool fits within the Atlas' architecture and is responsible for developing the page interfaces that guide users in the application of the tool.	\$ 55,000	Proposed	N/A
17	2003	<i>South Carolina Coastal Marsh Island Assessment and Management Strategy</i>	South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management	South Carolina	The South Carolina Office of Ocean and Coastal Resource Management (SC OCRM) and the NOAA Coastal Services Center have entered into a cooperative agreement to provide guidance for revising regulations governing bridge permits and island development through the design and construction of a stakeholder-accepted, GIS-based decision support tool that relies on the best available information and identifies critical criteria necessary to evaluate permit specific, cumulative, and secondary impacts associated with developing islands. The NOAA Coastal Services Center is serving as a technical advisor regarding spatial data management and tools.	\$ 54,863	Ongoing	N/A

Grant #	Fiscal Year	Title of Grant	Grant Recipient	Location	Short Description	Amount Awarded	Status	Web Sites (with more info or that were created from the grant awarded)
18	2003	<i>Developing a Dynamic and Distributed GIS to Support Coastal Management Along the Lake Superior Coast of Wisconsin</i>	University of Wisconsin-Madison	Wisconsin	The University of Wisconsin-Madison Land Information and Compute Graphics Facility, and the NOAA Coastal Services Center propose to enter into a cooperative agreement. The project will follow principles and protocols of the Open GIS Consortium to link local Web mapping services and build an interoperable, "bottom-up" coastal GIS.	\$ 125,863	Proposed	N/A
19	2003	<i>Spatial Technology Development and Educational Modules for the Fagatele Bay National Marine Sanctuary</i>	Oregon State University	Oregon	The Oregon State University, Department of Geosciences, and the NOAA Coastal Services Center are working on a habitat project funded as a cooperative grant agreement to provide coastal managers in American Samoa with information and tools to integrate physical and ecological components into habitat protection and management, and in turn integrate habitat characterization into K-16 and general public education. This project initially supports the growing coastal management and GIS community of American Samoa, but has broader applicability to the National Marine Sanctuary system and coastal states focused on benthic habitat characterization in the tropical and subtropical regions.	\$ 64,917	Ongoing	N/A
20	2003	<i>Mississippi Coastal Information System</i>	Mississippi Department of Environmental Quality	Mississippi	The Mississippi Department of Environmental Quality, Office of Geology and the NOAA Coastal Services Center have entered a cooperative grant agreement to develop a Web site to disseminate data on coastal resources and trends in coastal Mississippi.	\$ 62,915	Ongoing	N/A
21	2003	<i>Data Stewardship Project FGDC Compliant metadata Data accessibility Retention of value of data Writing metadata</i>	Maryland Department of Natural Resources	Maryland	The Maryland Department of Natural Resources, Chesapeake & Coastal Watershed Services and the NOAA Coastal Services Center have entered a cooperative grant agreement for metadata development on geospatial databases and metadata training. This one-year project will create a Web searchable interface to consistent with the Federal Geographic Data Committee's Content Standard for Digital Geospatial Metadata. The data will be made available to Maryland state agencies and the public.	\$ 56,032	Ongoing	N/A
22	2003	<i>Coastal nutrient, water quality, toxic algal data, and metadata dissemination by Baruch Institute for Marine Biology and Coastal Research, University of South Carolina</i>	Baruch Institute, University of South Carolina	South Carolina	The University of South Carolina, Baruch Institute and the NOAA Coastal Services Center have entered a cooperative grant agreement for metadata development to certify, archive, and document nutrient and toxic algae databases from South Carolina. These data will be made available to the environmental research and management community.	\$ 84,502	Ongoing	N/A